

SYSTEM AND METHOD FOR DATA ENCRYPTIONAbstract of the Disclosure

A system and method of private, three-key data encryption, secure storage, secure transmission and decryption is disclosed. The system is comprised of three core components, including a data server, a user device and a security server. The data server and user device have private security keys associated therewith. A third key is generated at the security server. The third key is transmitted to the data server and user device in encrypted form, using the data server security key to encrypt the third key as it is transmitted to the data server, and the user device security key to encrypt the third key as it is transmitted to the user device. As a result, a secure data transmission session may be established.

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